

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Gentz et al.

Docket No.: PF122P1D1C1

Application No.: Not Yet Assigned

Group Art Unit: N/A

Filed: Concurrently Herewith

Examiner: Not Yet Assigned

For: 5-Lipoxygenase-Activating Protein II

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of a claim of the subject application, Attorney for Applicants hereby directs the Examiner's attention to references A-Z listed on the attached Form SB/08.

Copies of references A, B, and F-K were submitted by Applicants or cited by the Examiner in connection with U.S. Application No. 08/264,030, filed on June 22, 1994 (now U.S. Patent No. 5,696,076); copies of references D, L, Y and Z were submitted by Applicants or cited by the Examiner in connection with U.S. Application No. 08/842,234, filed on April 22, 1997 (now U.S. Patent No. 6,147,050); copies of references C, E, and M-X were submitted by Applicants or cited by the Examiner in connection with U.S. Application No. 09/595,927, filed on June 16, 2000; to which prior applications the instant application claims priority under 35 U.S.C. § 120. Pursuant to 37 C.F.R. § 1.98(d), the Examiner is directed to the file of U.S. Application Nos. 08/264,030, 08/842,234, and 09/595,927 for copies of references A-Z.


The listed references are presented so that the Patent and Trademark Office can determine any materiality thereof to the claimed invention. See 37 C.F.R. § 1.104(a) concerning the Examiner's duty to consider and use any such information. Applicants respectfully request that the Examiner make the listed references of record in the file history of the application, and consider the information contained therein during the prosecution of this application.

Identification of the listed references is not to be construed an admission of any individual associated with the filing or prosecution of the subject application that such references are available as "prior art" against the subject application. Furthermore, Applicants do not waive any rights to take appropriate action to establish patentability over any of the listed documents should they be applied as references against the claims of the subject application.

Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed before the mailing of a first Office Action on the merits. Accordingly, no fee is believed due. However, should the Patent Office determine otherwise, please charge the required fee to our Deposit Account No. 08-3425.

Dated: July 28, 2003

Respectfully submitted,

By 

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| Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | Not Yet Assigned |
| | | | | Filing Date | Concurrently Herewith |
| | | | | First Named Inventor | Reiner L. Gentz |
| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 1 | of | 3 | Attorney Docket Number | PF122P1D1C1 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | A | US-5,182,367 | 01-26-1993 | Gillard et al. | |
| | B | US-5,229,516 | 07-20-1993 | Musser et al. | |
| | C | 09/912,293 | NOT PUBLISHED | Rosen et al. | pages 1-75 (pages 1 & 2 partially redacted); portion of Table 2; and SEQ ID NO: 71107 |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------------|---|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | † ⁶ |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | | |
| | D | WO-98/45436-A2 | 10-15-1998 | Genetics Institute, Inc. | | |
| | E | WO-95/35372 | 12-28-1995 | Human Genome Sciences, Inc. | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| | | | | Art Unit | N/A |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 2 | of | 3 | Attorney Docket Number | PF122P1D1C1 |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|-----------------------|--|----------------|--|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | |
| | F | JAKOBSSON et al., <i>PNAS USA</i> 89:2521-5 (1992) | | |
| | G | VICKERS et al., <i>Mol. Pharmacol.</i> 42:94-102 (1992) | | |
| | H | VICKERS et al., <i>Mol. Pharmacol.</i> 42:1014-9 (1992) | | |
| | I | BENNET et al., <i>Biochem. J.</i> 289(1):33-9 (1993) | | |
| | J | RIFAI et al., <i>Kidney Int. Suppl.</i> 39:595-9 (1993) | | |
| | K | VICKERS et al., <i>J. Lipid Mediat.</i> 6:31-42 (1993) | | |
| | L | JAKOBSSON et al., "Identification and Characterization of a Novel Human Microsomal Glutathione S-Transferase with Leukotriene C ₄ Synthase Activity and Significant Sequene Identity to 5-Lipoxygenase-activating Protein and Leukotriene C ₄ Synthase" <i>J. Biol. Chem.</i> 271(36):22203-22210 (1996) | | |
| | M | MILLER et al., "Identification and isolation of amembrane protein necessary for leukotriene production" <i>Nature</i> 343:278-281 (Jan. 18, 1990) | | |
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| | S | SALMON et al., "Evaluation of Inhibitors of Eicosanoid Synthesis in Leukocytes: Possible Pitfall of Using the Calcium Ionophore A23187 to Stimulate 5' Liboxygenase" <i>Prostaglandins</i> 29(3):377-385 (Mar. 1985) | | |
| | T | WARNER et al., "Effects of a Specific Inhibitor of the 5-Lipoxygenase Pathway on Mediator Release from Human Basophils and Mast Cells" <i>J. Pharmacol. Exp. Ther.</i> 247:218-222 (1988) | | |
| | U | TAMURA et al., "A Specific Radioreceptor Assay for Leukotriene C ₄ and the Measurement of Calcium Ionophore-Induced Leukotriene C ₄ Production from Human Leukocytes" <i>J. Pharmacol. Methods</i> 18:327-333 (1987) | | |
| | V | BRUYNZEE et al., "On the Optimal Conditions of LTC ₄ Formation by Human Eosinophils in Vitro" <i>Prostaglandin Leukotrienes and Medicine</i> 20:11-22 (1985) | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | W | SEFFERNICK et al., "Melamine Deaminase and Atrazine Chlorohydrolase: 98 Percent Identical but Functionally Different" <i>J. Bacteriol.</i> 183(8):2405-2410 (Apr. 2001) | |
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